ECR500
USB 2.0 5in1 Express Card Adapter

INTRODUCTION

The **ECR500 Express Card Adapter** allows users to install and operate the flash card reader easily. It is able to support up to 480 Mbps USB 2.0 High Speed data transferring rate with the host PC when read/write on Flash memory cards. The **ECR500** provides accesses to the most popular five kinds of flash memory cards in the market: Memory Stick Card, Memory Stick PRO Card, Secure Digital Card, Multi Media Card, and xD-Picture Card.
The **ECR500** contains a single monolithic SOC (System-On-Chip) integrated with an enhanced 8051 MCU core, internal program/data memory banks and a variety of flash peripheral cores on it.

MAIN FEATURES

Features Summary

- Compliant with USB Mass Storage Class Bulk only Transport Specification Revision 1.0
- Compliant with USB Specification Revision 2.0
- HS (480 Mbps) and FS (12 Mbps) transfer
- Integrated Fast 8051 microprocessor
- File Manager with Auto Disk Drive Icon
- Error Correction Control (ECC) capability
- Support USB suspend mode (< 500 μA)
- USB2.0 Hi Speed Transfer with Bus Power
- Low power consumption for USB Bus Power application
- Regulator, Power On Reset and Low Voltage Detector
- Supports Memory Stick-PRO 4-bit parallel transfer mode
- Supports In System Programmable (ISP) through USB port
- Two LED indicators for USB power and access status
- Built-in Watchdog Timer
- Only DC3.3V voltage supply required

MEMORY CARD'S SPECIFICATIONS

- Card Supported:
  Memory Stick Card：4MB~128MB
  Memory Stick PRO 4bit：256MB~1GB
  Secure Digital Card：8MB ~ 1GB
  Multi Media Card：8MB ~ 512MB
  xD-Picture Card：8MB ~ 512MB
- USB Port
  Complies with version 2.0 High Speed standard

- Data Transfer Rate
  Max Speed @ 480 Mbit/s for USB Bulk Transfer
  Memory Stick Card：Read 1430 KB/s、Write 1202KB/s。
  Memory Stick PRO：Read 3809 KB/s、Write 2938 KB/s。
  Secure Digital Card：Read 3141 KB/s、Write 1168 KB/s。
  Multi Media Card：Read 2206 KB/s、Write 2080 KB/s。
  xD-Picture Card；Read 6240 KB/s、Write 1211 KB/s、
- Power Supply
  DC3.3V, supplied by Express Card's USB port
- Operating Systems
  Supported Windows 98/ 98SE/ 2000/ME/XP, Mac OS 9.x, OS10.x,
  Linux kernel 2.4 and Red Hat Linux8.0